

Control Restriction

Introduction

Restriction digestion to control if the plasmid contains an insert.

Materials

- 10x CutSmart buffer
- Restriction enzymes
- DNA-sample

Procedure

1. Pipette the following , add enzymes at last:

	2 Enzymes	1 E n z y m e
Total volume in μl	20	2 0
Buffer concentration	10	1 0
	Volume	V o l u m e [μ L]
DNA-sample	17	1 7
Buffer	2	2
Enzyme 1	0.5	1
Enzyme 2	0.5	

2. Incubate at 37°C for 2 hours
3. Stop the reaction with heat, 80°C for 20 min, or by directly adding loading dye and load onto the gel.